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| Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b)) | U.S. Department of Commerce Patent and Trademark Office | Attorney's Docket No. 22578-002US1 | Application No. 10/530,902 |
| | Applicant Graeme Semple, et al. | | |
| | Filing Date April 8, 2005 | Group Art Unit 1626 | |

| U.S. Patent Documents | | | | | | | |
|-----------------------|-----------|-----------------|------------------|----------|-------|----------|----------------------------|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Patentee | Class | Subclass | Filing Date If Appropriate |
| | AA | | | | | | |

| Foreign Patent Documents or Published Foreign Patent Applications | | | | | | | | |
|---|-----------|-----------------|------------------|--------------------------|-------|----------|-------------|----|
| Examiner Initial | Desig. ID | Document Number | Publication Date | Country or Patent Office | Class | Subclass | Translation | |
| | | | | | | | Yes | No |
| | AB | | | | | | | |

| Other Documents (include Author, Title, Date, and Place of Publication) | | |
|---|-----------|---|
| Examiner Initial | Desig. ID | Document |
| | AC | Abdallah, et al., "Le dimethylacetal du diazoacetaldehyde: une nouvelle voie d'accès aux formylcyclopropanes et aux formyl pyrazoles", Bulletin De La Societe Chimique De France, No. 5, pp. 794-802. |
| | AD | Carballo-Jane et al., "Comparison of rat and dog models of vasodilation and lipolysis for the calculation of a therapeutic index for GPR109A agonists," <i>Journal of Pharmacological and Toxicological Methods</i> , Article in Press, doi:10.1016/j.vascn.2007.05.007 (2007). |
| | AE | Carballo-Jane et al., "Comparison of rat and dog models of vasodilation and lipolysis for the calculation of a therapeutic index for GPR109A agonists," <i>Journal of Pharmacological and Toxicological Methods</i> , 56(3). pp. 308-316, (2007). |
| | AF | Chemical Abstract, Organic Chemistry, Vol. 46, pp. 7565 |
| | AG | Gharbaoui et al., "Agonist lead identification for the high affinity niacin receptor GPR109a," <i>Bioorganic & Medicinal Chemistry Letters</i> , 17:4914-4919 (2007). |
| | AH | Jung et al., "Analogues of acifran: agonists of the high and low affinity niacin receptors, GPR109a and GPR109b," <i>Journal of Medicinal Chemistry</i> , 50:1445-1448 (2007). |
| | AI | Kobayashi, et al. "1,3-Dipolar Cycloaddition of Ethyl Diazoacetate to Alkynes in the Pores of Zeolite NaY", <i>Chemistry Letters</i> Vol. 36, No. 1, (2007), pp. 60-61. |
| | AJ | Maciejewski-Lenoir et al., "Langerhans cells release prostaglandin D ₂ in response to nicotinic acid," <i>Journal of Investigative Dermatology</i> (2006) 126:2637-2646. |
| | AK | Richman et al., "Nicotinic acid receptor agonists differentially activate downstream effectors," <i>The Journal of Biological Chemistry</i> , 282:18028-18036, (2007). |
| | AL | Semple et al., "Recent progress in the discovery of niacin receptor agonists," <i>Current Opinion in Drug Discovery & Development</i> , 10:452-459, (2007). |
| | AM | Semple et al., "1-Alkyl-benzotriazole-5-carboxylic acids are highly selective agonists of the human orphan G-protein-coupled receptor GPR109b," <i>Journal of Medicinal Chemistry</i> (2006) 49:1227-1230. |
| | AN | Semple, "Niacin receptor agonists," <i>Presentation, American Chemical Society 233rd National Meeting & Exposition, March 25, 2007 – March 29, 2007, Chicago, Illinois</i> |
| | AO | Semple, "Discovery of selective agonists for GPR109a and GPR109b, the high and low affinity receptors for niacin," <i>Presentation, GPCRs in Medicinal Chemistry</i> , jointly organized by the Society of Chemical Industry, Royal Society of Chemistry and the Societa Chimica Italiana, September 18, 2006 – September 20, 2006, Verona, Italy |

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| Examiner Signature | Date Considered |
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|---|-----------|--|
| Examiner Initial | Desig. ID | Document |
| | AP | Skinner et al, "Fluorinated pyrazole acids are agonists of the high affinity niacin receptor GPR109a," Poster, 30 th National Medicinal Chemistry Symposium, June 25, 2006 – June 29, 2006, Seattle, WA |
| | AQ | Tabarelli, et al., "Antinociceptive effect of novel pyrazolines in mice", <i>Brazilian Journal of Medical and Biological Research</i> , (2004) 37: 1531-1540. |
| | AR | Taggart et al., "(D)-β-Hydroxybutyrate inhibits adipocyte lipolysis via the nicotinic acid receptor PUMA-G," <i>The Journal of Biological Chemistry</i> (2005) 280:26649-26652. |
| | AS | Tretyakov, et al., "1,3-Dipolar cycloaddition in the synthesis of pyrazolyl-substituted nitronyl nitroxides", <i>Russian Chemical Bulletin, International Edition</i> , (2005), Vol. 54, No. 9, pp. 2169-2181. |

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